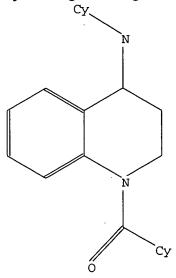
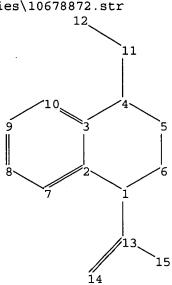
FILE 'HOME' ENTERED AT 15:09:10 ON 26 APR 2005

=> file reg

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Uploading C:\Program Files\Stnexp\Queries\10678872.str





chain nodes : 11 12 13 14 15

ring nodes :

1 2 3 4 5 6 7 8 9 10

chain bonds :

1-13 4-11 11-12 13-14 13-15

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-10 4-5 5-6 7-8 8-9 9-10

exact/norm bonds :

1-2 1-6 1-13 3-4 4-5 4-11 5-6 11-12 13-14 13-15

normalized bonds :

2-3 2-7 3-10 7-8 8-9 9-10

isolated ring systems :

containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:CLASS 12:Atom 13:CLASS 14:CLASS 15:Atom

Generic attributes :

12:

Type of Ring System : Monocyclic

15:

Type of Ring System : Monocyclic

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR

Structure attributes must be viewed using STN Express query preparation.

=> file ca

=> s 13 L4 18 L3

=> d ibib abs fhitstr 1-18

COPYRIGHT 2005 ACS on STN
142:176711 CA
N-Substituted 4-aminotetrahydroquinolines with CRTH2
and PGD2 Peceptor activity, and their preparation,
pharmaceutical compositions, and use as asthma and
allergic inflammation modulators
Inman, Vayne D.; Liu, Jiwen; Medina, Julio C.; Miao,
Shichang; Tang, Hua Lucy
Tularik Inc., USA
PCT Int. Appl., 73 pp.
CODEN: PIXXD2
Patent
Roalish L4 ANSWER 1 OF 18 CA ACCESSION NUMBER: INVENTOR (S): PATENT ASSIGNEE(S): SOURCE: DOCUMENT TYPE: English FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT NO. DATE APPLICATION NO. DATE KIND 20040707 20040707
BZ, CA, CH,
FI, GB, GH,
KR, KZ, LC,
MZ, NA, NI,
SK, SL, SY,
2A, ZM, ZW,
AM,
CZ, DE, DK,
PT, RO, SE,
ML, MR, NE,

Compds., pharmaceutical compns. and methods are provided that are useful in the treatment of inflammatory and immune-related diseases and conditions. In particular, the invention provides compds. which modulate AB

ANSWER 1 OF 18 CA COPYRIGHT 2005 ACS on STN

ANSWER 1 OF 18 CA COPYRIGHT 2005 ACS on STN (Continued) the function and/or expression of proteins involved in stopic diseases, inflammatory conditions and cancer. The subject compds. are tetrahydroquinoline derivs. I [wherein: W = aryl, heteroaryl, (Cl-C5) alkyl, or cyclo(C3-C5) alkyl. CO, SO2, or (Cl-C4) alkyl, expl(Cl-C4) alkyl, aryl(Cl-C4) alkyl, cyclo(C3-C5) alkyl(Cl-C4) alkyl, hydroxy(Cl-C4) alkyl, (Cl-C4) alkyl, Cl-C4) alkyl, di(Cl-C4) alkyl, amino(Cl-C4) alkyl, (Cl-C4) alkyl, arglakyl, arglakyl, arglakyl, (Cl-C4) alkyl, di(Cl-C4) alkyl, arglakyl, arglakyl, (Cl-C4) alkyl, di(Cl-C4) alkyl, arglakyl, carbamoyl(Cl-C4) alkyl, arglakyl, (Cl-C4) alkyl, arglakyl, (Cl-C4) alkyl, arglakyl, (Cl-C4) alkyl, arglakyl, (Cl-C4) alkyl, arglakyl, arglakyl

(drug candidate; preparation of N-substituted aminotetrahydroquinolines CRTH2 and PGD2 receptor activities as asthma and allergic inflammation

modulators)
296272-48-5 CA
Acetamide, N-phenyl-N-[1,2,3,4-tetrahydro-2-methyl-1-(4-nitrobenzoyl)-4quinolinyl]- (9CI) (CA INDEX NAME)

ACCESSION NUMBER:

ACCESSION NUMBER:

14:171220 CA

Highly Flexible Ligand Binding Pocket of Ecdysone
Receptor: A Single Amino Acid Change Leads to
Discrimination Between two Groups of nonsteroidal
Ecdysone Agonists

AUTHOR(S):

AUTHOR(S):

AUTHOR(S):

AUTHOR(S):

CORPORATE SOURCE:

CORPORATE SOUR

plays critical roles in insect development and reproduction The ECR has exploited to develop insecticides to control pests and gene switches for gene regulation. Recently reported crystal structures of the ECR protein show different but partially overlapping binding cavities for ecdysteroid (ECD) and diacythydrazine (DAH) ligands, providing an explanation for the differential activity of DAH ligands, providing an explanation for the differential activity of DAH ligands in insects. 1-Arcyl-4-faylamino)-1,2,3,4-tetrahydroquinoline (THQ) ligands were recently discovered as ecdysome agonists. Mutagenesis of the ECR (from Choristoneurs fumiferana, CfECR) ligand binding domain followed by screening in a reporter assay led to the identification of CfECR mutants, which responded well to THQ ligands but poorly to both ECD and DAH ligands. These mutants were further improved by introducing a second mutation, AllDP, which was previously reported to cause ECD insensitivity. Testing of these V1287/AllOP and V1287/AllOP and V1287/AllOP and V1287/AllOP and V1287/AllOP mutants in a C578L/6 mouse model coactivator interaction assay and in insect cells showed that this mutant ECR is activated by THQ ligands but not by ECD or DAH ligands. The CfECR and its V1287/AllOP mutant were used to demonstrate simultaneous regulation of two reporter genes using THQ and DAH ligands.
637005-72-2, NG 120499

[R: BSU [Biological study, unclassified), BIOL (Biological study) (a single amino acid change in the ligand binding domain of the ecdysone receptor leads to discrimination between two groups of nonsteroidal ecdysone agonists)
637005-72-2 CA
4-Quinolinamine, 6-fluoro-1-(3-fluoro-4-methylbenzoyl) -N-(4-fluorophenyl)-1,2,3,4-tetraphydro-2-methyl-, (2R,45)-rel- (9CI) (CA INDEX NAME)

4-Quinolinamine, 6-fluoro-1-(3-fluoro-4-methylbenzoyl)-N-(4-fluorophenyl)-1,2,3,4-tetrahydro-2-methyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L4 ANSWER 2 OF 18 CA COPYRIGHT 2005 ACS on STN (Continued)

REFERENCE COUNT:

THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 18 CA COPYRIGHT 2005 ACS on STN Rotation (+). Absolute stereochemistry unknown.

REFERENCE COUNT:

THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 18 CA COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 111:105384 CA
TITLE: Preparation of cyclaminoquinolines as CRTH2
antagonists
NVENTOR(S): Xbin, Cyrille: Feru, Frederic: Bazin, Marc; Awad,
Mohamed; Goldstein, Steven Wayne
Warner-Lambert Company Llc, USA
SULF Pat Appl., 77 pp.
CODEN: EFXCOV
Pater Pater

DOCUMENT TYPE:

English

PAHILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

EP 1435356 A1 20040707 EP 2003-290025 20030106

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK PRIORITY APPLN. INFO.: EP 2003-290025 20030106

OTHER SOURCE(S): MARPAT 141:106384

Quinolines I [Rl = alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, aralkyl, heteroaralkyl, cycloalkylalkyl; R2 = (un)substituted alkyl; R3 = cycloalkyl, (un)substituted aryl, heterocyclyl, aralkyl, heterocyclylalkyl; R4 = H, alkyl; R5-R6 = H, (un)substituted alkyl; N02, CN, S02Me, (un)substituted s02NN12, OH, S02Me, CN012, NN12, NHS02H, NHCKO, acyl] were prepared for use as CRTH2 antagonists with IC50 < SpM. NHCKO, acyl] were prepared for use as CRTH2 antagonists with IC50 < SpM. Thus, cis-M-(2-methyl-1,2,3,4-tetrahydroquinolin4-yl)-N-phenylacetanide was prepared from 4- chloroquinoline in 6-steps and was treated with 2-thiophenecarbonyl chloride to give I [Rl = Ph, R2, R4 = Me, R3 = 2-thienyl, R5-R8 = M]. 651828-40-09
RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PUR (Purification or recovery); PYP (Physical process); SFN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC (Process)

(Process)
(preparation of acylaminoquinolines as CRTH2 antagonists)
681828-40-0 CA
Acetamide, N-cyclopropyl-N-[(2R,4S)-1,2,3,4-tetrahydro-2-methyl-1-(3-pyridinylcarbonyl)-4-quinolinyl]-, rel-(+)- (9CI) (CA INDEX NAME)

L4 ANSWER 4 OF 18 CA COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 141:54208 CA Preparation of aminotetrahydroquinolines as antiinflammatory agents

INVENTOR(S): Kotera, Osamuj Oshima, Etsuor Ueno, Kimihisa; Ikemura, Toshihida; Manabe, Haruniko; Sawada, Masatsuqur Himura, Hideki; Hiyaji, Hiromasa; Nonaka, Hiromi Kyowa Hakko Kogyo Co., Ltd., Japan

DOCUMENT TYPE: PATENT ASSIGNEE(S): Japanese
FAMILY ACC. NUM. COUNT: 1

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.					KIN	•	DATE		;	APPL	CAT	ION I	NO.	DATE					
						-									-				
WO	WO 2004052863						2004			70 20	003-	JP15		20031205					
	W:	AE,	AG,	AL,	AM,	AT,	ΑU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	ΒZ,	CA,	CH,		
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,		
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KR,	ΚZ,	LC,	LK,		
		LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MV,	MX,	MZ,	NI,	NO,	NZ,		
		OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	TJ,	TM,		
		TN,	TR.	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW				
	RW:	BW,	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	52,	TZ,	UG,	ZM,	ZW,	AM,	AZ,		
		BY,	KG,	ΚZ,	MD,	RU,	TJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,		
		ES,	FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	ΡĪ,	RO,	SE,	SI,	SK,		
		TR,	BF,	BJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	G₩,	ML,	MR,	NE,	SN,	TD,	TG	
PRIORITY APPLN. INFO.:									JP 2002-354511						A 20021206				
OTHER SOURCE(S):					MARPAT 141:54208														

Title compds. I [R1 = H, (un)substituted alkyl, (un)substituted aryl, etc.; R2, R3 = H, (un)substituted alkyl, etc.; R4, R5 = H, halo, etc.; R6 = H, etc.; R7 = (un)substituted cycloalkyl, (un)substituted aryl, etc.; R8 = (un)substituted alkyl, (un)substituted aryl, etc.; R9, R10, R11, R12 = H, halo, (un)substituted alkyl, etc.] were prepared Thus, antigen-induced infiltration by eosinophils was inhibited by 48.65 by cis-1 [R1 = R7 = Ph; R2 = CH3; R3 = R4 = R5 = R6 = R9 = R10 = R11 = R12 = H] at 100 mg/kg in mice. Formulations are given. 681828-45-5P

RL: PAC (Pharmacological activity), SPN (Synthetic preparation), THU (Therapeutic use), BIOL (Biological study), PREP (Preparation), USES

ANSWER 4 OF 18 CA COPYRIGHT 2005 ACS on STN (Continued)
(prepn. of aminotetrahydroquinolines as antiinflammatory agents)
681828-45-5 CA
Acetamide, N-(1-benzoyl-1,2,3,4-tetrahydro-4-quinolinyl)-N-phenyl-(CA INDEX NAME)

ANSWER 5 OF 18 CA COPYRIGHT 2005 ACS on STN

The invention relates to a preparation of tetrahydroquinoline derivs. of formula I [wherein: RI is H, Cl-C4 alkyl, or C2-C4 ak(en/yn)yl, etc., R2 is Cl-C4 (un)substituted alkyl; R3 is C3-C5 cycloalkyl or -A-R9; R4 is H or C1-C4 alkyl; R5, R6, R7, and R8 are independently selected from halogen, NO2, CN, SO2Me, or (un)substituted C1-C4 alkyl, etc., A is a bond, C1-C3 alkylene, or C2-C3 alkenylene; R9 is C6-C12 aryl or heterocycle), their use as medicaments and pharmaceutical compns. containing them. The invention compds. were tested as CRTH2 receptor antagonists (ICSO < SyM). For instance, tetrahydroquinoline derivative II was prepared from the prepared quinoline III via imination, stereoselective reduction of

imine bond, N-acetylation of the obtained quinoline derivative IV,

imine bond, N-acetylation of the obtained quantum and the quinoline ring, and subsequent addition of 2-thiophenecarbonyl chloride (example 1).

IT 683768-44-79
RL: RCT (Reactant), SPN (Synthetic preparation), PREP (Preparation), RACT (Reactant or reagent)
(intermediate, preparation of tetrahydroquinoline derivs. as CRTH2 antaconists)

antagonists)
683768-44-7 CA
-Quinolinamine, 1-benzoyl-6-chloro-1,2,3,4-tetrahydro-2-methyl-N-phenyl(9C1) (CA INDEX NAME)

LA ANSWER 5 OF 18 CA COPYRIGHT 2005 ACS on STN
1A0:375002 CA
A preparation of tetrahydroquinoline derivatives as
CRTHZ antagonists
Kuhn, Cyriller Feru, Fredericr Bazin, Marc: Awad,
Mohamedr Goldstein, Steven Wayne
Warner-Lambert Company LLC, USA
Bur. Pat. Appl., 63 pp.
CODEN: IFPXION

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

					KIND DATE												
	1413				A1	•	2004	0428			002-				-	0021	
WO 2004035543											CA, CH, CN, GB, GD, GE, KZ, LC, LK, NI, NO, NZ, SY, TJ, TM,						
	W:	AE,	AG,	AL,	AM,	AΤ,	AU,	AZ,	BA,	BB.	BG.	BR.	BY.	BZ.	CA,	CH,	CN,
		co.	CR.	CU.	CZ,	DE.	DK.	DM.	DZ.	EC.	EE.	EG.	ES,	FI.	GB.	GD,	GE,
		GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE.	KG.	KP,	KR,	KZ,	LC,	LK,
		LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN.	MV.	MX,	MZ,	NI,	NO,	NZ,
		OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	TJ,	TM,
		TN,	TR,	TT,	TZ,	UA,	υG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW		
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		KG,	ΚZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH.	CY,	CZ,	DE,	DK,	EE,	ES,
		FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	PT,	RO,	SE,	SI,	SK,	TR,
								GA,									
	2004																
UT:	Y APP	LN.	info	. :						EP 2	002-	2926	06		A 2	0021	021
										US 2	002-	4348	96P		P 2	0021	219
							140.	2250									

OTHER SOURCE(S): MARPAT 140:375082

ANSWER 5 OF 18 CA COPYRIGHT 2005 ACS on STN (Continued)

REFERENCE COUNT: THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

COPYRIGHT 2005 ACS on STN
140:357218 CA
Preparation of tetrahydroquinoline derivatives as
CRTh2 antagonists
Awad, Mohamed Mohamed Ali; Bazin, Marc; Feru,
Frederic; Goldstein, Steven Wayne; Kuhn, Cyrille
Francois
Warner-Lambert Company Llc, USA
PCT Int. Appl., 124 pp.
CODEN: PIXXD2
Patent
English
2 L4 ANSWER 6 OF 18 CA ACCESSION NUMBER: TITLE:

INVENTOR(S):

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

				••••														
	PAT	ENT	NO.			KIND DATE				APPL	ICAT		D.	ATE				
													-					
	WO 2004035543			A1 20040429				WO 2	003-		2	0031	010					
		W:	AE,	AG,	AL,	AM.	AT,	AU,	AZ.	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN
			co,	CR,	CU,	CZ.	DE.	DK.	DH.	DZ,	EC.	EE.	EG,	ES.	FI.	GB.	GD.	GE
			GH.	GH.	HR.	HU.	ID.	IL.	IN.	IS,	JP.	KE.	KG.	KP.	KR.	KZ.	LC.	LK
			LR.	LS.	LT.	LU,	LV.	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,	NZ.
			OM,	PG,	PH.	PL.	PT.	RO,	RU,	sc,	SD,	SE,	SG,	ŞK,	SL,	SY,	ŢJ,	TM
								UG.										
		RW:						MZ,										BY.
								TM,										
								IE.										
								CH.										
EP 1413306																		
		R:	AT.	BE.	CH.	DE.	DK.	ES.	FR.	GB,	GR.	IT.	LI.	LU,	NL,	SE.	MC.	PT
			IE.	SI.	LT.	LV.	FI.	RO,	MK.	CY,	AL.	TR.	BG.	CZ.	EE,	SK		
PRIORITY APPLN. INFO.:																	0021	021
														96P				
																_		

OTHER SOURCE(S):

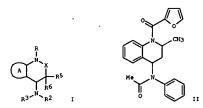
MARPAT 140:357218

Title compds. I (R1 = H, alk(en/yn)yl, etc.; R2 = alkyl; R3 = cycloalkyl, etc.; R4 = H, alkyl; R5-8 = H, alkyl, etc.] are prepared For instance,

L4 ANSWER 7 OF 18 CA COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:
110: 140:339203 CA
111LE: Preparation of tetrahydroquinolinyl PGD2 receptor antagonists for the treatment of inflammatory diseases
INVENTOR(S): Ghosh, Shomir, Elder, Amy M., Carson, Kennth G., Sprott, Kevin, Harrison, Sen
PATENT ASSIGNEE(S): Profit Kevin, Harrison, Sen
Millennium Pharmaceuticals, Inc., USA
PCT Int. Appl., 257 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
TAMILU ACC. NUM. COUNT: PATENT INFORMATION:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.						KIND DATE			APPLICATION NO.							ATE		
WO	WO 2004032848					A2 20040422			WO 2003-US31542							20031003		
WO	WO 2004032848					A3 20040715												
	W:	AE,	AG.	AL.	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ.	CA,	CH,	CN,	
		co,	CR.	CU.	CZ,	DE.	DK,	DM.	DZ,	EC.	EE.	ES,	FI,	GB,	GD,	GE,	GH,	
		GM.	HR.	HU.	ID.	IL.	IN,	IS.	JP,	KE.	KG.	KP,	KR,	KZ.	LC,	LK,	LR,	
							MD,											
		PL,	PT,	RO,	RU,	SD,	SE,	SG,	SK,	SL,	TJ,	TM,	TN,	TR,	TT.	TZ,	UA,	
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		KG,	KZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	
		FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	PT,	RO,	SE,	SI,	SK,	TR,	
		BF,	BJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	G₩,	ML,	MR,	NE,	SN,	TD,	TG	
US	2004	0826	09		A1		2004	0429										
PRIORIT	Y APP	LN.	INFO	. :						US 2	002-	4165	01P		P 2	0021	004	
OTHER S	OURCE	(5):			MAR	PAT	140:	3392	03									



Title compds. I (A = (un) substituted monocyclic aromatic ring; R = X1R1; R2

X2R4; R3 = (un)substituted cycloaliph. group, etc.; X = CO, bivalent alkyl; X1-2 = bond, SO, SO2, CO, etc.; R1 = H, cycloaliph. group, aromatic group, etc. provided that when X1 = bond, SO or SO2, R1 is not equal H, R4 = H, aliphatic group, etc.; R5-6 = H, alkyl] are prepared For instance, cis-4-phenylamino-2-methyl-1,2,3,4-tetrahydroquinoline (preparation given)

Relative stereochemistry.

REFERENCE COUNT:

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 7 OF 18 CA COPYRIGHT 2005 ACS on STN (Continued) acylated with 2-furcyl chloride (CH2Cl2, i-Pr2NEt) and the resulting intermediate acetylated (CH2Cl2, i-Pr2NEt, Accl) to give II. Compds. I inhibit binding of FORD to the CRTh2 receptor; selected examples have Ki < 10 µM. Also disclosed is the use of I for inhibiting the G-protein coupled receptor referred to as chemoattractant receptor-homologous mol. expressed on CRTh2 for the treatment of inflammatory disorders. 678806-12-3P, cis-[4-[2-Methyl-4-(N-phenyl-M-propionylaminol-3,4-dihydro-2H-quinoline-1-carbonyl]phenoxy] acetic acid ethyl ester RL: PAC (Pharmacological activity); RCT (Reactant); SFN (Synthetic preparation); RTU (Therapeutic use); BIOL (Biological study); PREP (Preparation); TRU (Therapeutic use); BIOL (Biological study); PREP (Freparation); TRU (Fre

Relative stereochemistry.

L4 ANSWER 8 OF 18 CA ACCESSION NUMBER:

COPYRIGHT 2005 ACS on STN 140:35993 CA. Tetrahydroquinolines for modulating the expression of exogenous genes via an ecdysone receptor complex Michelotti, Enrique L., Tice, Colin M., Palli, Subba Reddy, Thompson, Christine S., Dhadialla, Tarlochan S. Rheogene, Inc., USA. PCT Int. Appl., 129 pp. CODEM: PIXXID2
Patent TITLE: INVENTOR (S):

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: English

PATENT				APPLICATION NO.												
WO 2003	10584	9		A1 20031224			,	₩O 24	003-	20030613						
V:	AE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GR,	GH,
	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,
	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	OM,	PH,
	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	TJ,	TM.	TN,	TR,	TT,	TZ,
	UA,	UG,	US,	UZ,	VC.	VN,	YU,	ZA,	ZM,	2W						
RW:	GH,	GM,	KE.	LS.	MW,	MZ.	SD.	SL,	SZ,	TZ,	UG,	ZM.	ZW,	AM,	AZ,	BY,
	KG,	KZ.	MD.	RU.	TJ.	TM,	AT.	BE.	BG.	CH,	CY.	CZ.	DE,	DK,	EE,	ES,
						IE.										
	BF,	BJ.	CF.	CG.	CI.	CH.	GA.	GN.	GO.	GW.	ML.	MR.	NE.	SN.	TD.	TG
EP 1513530																
	AT,															
						RO,										
PRIORITY APP				,	,	,			US 2							613
							US 2									
									WO 2						0030	

OTHER SOURCE(S):

wo 2003-US18796 W 20030613
This invention relates to a method to modulate exogenous gene expression in which an ecdysone receptor complex comprising: a DNA binding domain; a ligand binding domain; a transactivation domain; and a ligand is contacted with a DNA construct comprising: the exogenous gene and a response element; wherein the exogenous gene is under the control of the response element and binding of the DNA binding domain to the response element in the presence of the ligand results in activation or suppression of the gene. The ligands comprise a class of 4-tetrahydorquinolines.

26343-39-59
RL: PAC (Pharmacological scription of the control of the c

RL: PAC (Pharmacological activity); SFN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(tetrahydroquinolines for modulating the expression of exogenous genes

(tetranyoroquinolines for modulating the expression of exogenor via an ecdysone receptor complex) 26343-39-5 CA -Quinolinamine, 1-benzoyl-1,2,3,4-tetrahydro-2-methyl-N-phenyl-, (2R,45)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L4 ANSWER 9 OF 18 CA ACCESSION NUMBER: TITLE:

AUTHOR (S):

COPYRIGHT 2005 ACS on STN
139:245878 CA
Synthesis and SAR of cis-1-benzoyl-1,2,3,4tetrahydroquinoline ligands for control of gene
expression in ecdysone responsive systems
Smith, Howard C., Cavanaugh, Caitlin K., Friz,
Jennifer L., Thompson, Christine S., Saggers, Jessica
A., Michelotti, Enrique L.; Garcia, Javier, Tice,
Colin M.
RHeoGene, Spring House, PA, 19477-0949, USA
Bioorganic & Medicinal Chemistry Letters (2003),
13(11), 1943-1946
CODEN: RMCLE8; ISSN: 0960-894X
Elsevier Science B.V.
Journal

CORPORATE SOURCE: SOURCE:

PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GI Journal English CASREACT 139:245878

Cis-1-Benzoyl-2-methyl-4-(phenylamino)-1,2,3,4-tetrahydroquinolines I [R = H, F, Me; R1 = H, 2-F, 2-He, 2-HeO, 2-FSC, 3-F, 3-He, 3-HeO, 3-FSC, 4-Cl, 4-He, 4-HeO, 4-FSC] were prepared I were assayed for their ability to cause expression of a recorder eyen downstream of an ecdysone response element in a mammalian cell line engineered to express the ecdysone receptor from Aedes aegypti. In general, I [R = H, F] with small lipophilic substituents at the meta and para-positions of the benzoyl ring were the most potent.
26343-39-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(synthesis and SAR of cis-1-benzoyl-1,2,3,4-tetrahydroquinoline ligands for control of gene expression in ecdysons responsive systems)
26343-39-5 CA
4-Quinolinamine, 1-benzoyl-1,2,3,4-tetrahydro-2-methyl-N-phenyl-,

200403935 CA 4-Quinolinamine, 1-benzoyl-1,2,3,4-tetrahydro-2-methyl-N-phenyl-, (2R,45)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

ANSWER 8 OF 18 CA COPYRIGHT 2005 ACS on STN (Continued)

REFERENCE COUNT:

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 9 OF 18 CA COPYRIGHT 2005 ACS on STN



REFERENCE COUNT:

THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 18 CA ACCESSION NUMBER: TITLE:

COPYRIGHT 2005 ACS on STN
136:177981 CA
Tetrahydroquinolines, apolipoprotein A-I formation
promoters, and pharmaceuticals containing them
Abe, Hiroyuki, Nagata, Masafumi, Hata, Takahiro
Japan Tobacco, Inc., Japan
Jpn. Kokai Tokkyo Koho, 73 pp.
CODEN: JKXCAF
Patent
Japanese
1 INVENTOR (S):
PATENT ASSIGNEE (S):
SOURCE:

DOCUMENT TYPE:

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

APPLICATION NO. PATENT NO. KIND DATE JP 2002053557
PRIORITY APPLM. INFO.:
OTHER SOURCE(S):
GI JP 2000-245849 JP 2000-245849 A2 20020219 20000814

MARPAT 136:177981

Title promoters, useful as hypolipemics and antiarteriosclerotics, comprise tetrahydroquinolines I [R1 = H, C1-4 alkoxy, etc., R2 = C1-4 alkyl, aryl, R3 = (un) substituted aryl, (un) substituted (condensed) heterocyclyl R4 = H, C1-4 alkyl, R5, R8 = H, C1-4 alkyl, C1-4 alkoxy, R6, R7 = H, halo, C1-4 alkyl, C1-4 alkoxy, OH], their prodrugs, or salts. 4-Mathoxyaniline was cyclocondensed with MacEM to give 18% cis-2-methyl-6-methoxy-4-[(4-methoxyphenyl) amino]-1,2,3,4-tetrahydroquinoline, which was acetylated by AcCl to give 26% I [R1 = R2 = Me, R3 = 4-methoxyphenyl, R4 = R5 = R7 = R8 = H, R6 = CMe) [II]. II [10 µM] in vitro increased production of apolipoprotein A-I in HepG2 cells 168% based on control.
30258-09-40*
RL: PAC (Pharmacological activity), SPN (Synthetic preparation), TMI

SUASSE-UY-4P
RL: PAC (Pharmacological activity); SFN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

es)
(preparation of tetrahydroquinolines as apolipoprotein A-I formation promoters)
558-09-4 CA

promoters) 302558-09-4 CA 4-Quinolinamine, 1,2,3,4-tetrahydro-2-methyl-N-phenyl-1-(2-pyridinylcarbonyl)-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

ACCESS! TITLE:

INVENTOR(S):

ANSWER 11 OF 18 CA COPYRIGHT 2005 ACS on STN

135:313624 CA Soluble \$\beta-amyloid precursor protein secretion promoters and preparation thereof

ENTOR(S): Kakihana, Mitsurur Kato, Kaneyoshi, Mori, Masaaki, Yamashita, Toshiro

ENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan

PCT Int. Appl., 136 pp.

CODEN: PIXAD2

Patent

GUAGE: Patent

EGUAGE: Japanese

HILY ACC. NUM. COUNT: 1

PATENT ASSIGNEE(S): SOURCE:

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PA*	KIND DATE				APPI												
WO	2001	0766	29		A1 20011018				,	WO 2		2	0010	405			
	W:	ΑE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
		co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	GM,
		HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KR,	KZ,	LC,	LK,	LR,	LS,	LT,
											MZ,						
		SD.	SE.	SG.	SI.	SK.	SL.	TJ.	TM.	TR.	TT,	TZ,	UA.	UG,	US,	UZ,	VN.
											RU,						
	RW:										TZ,			AT.	BE.	CH.	CY.
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PRIORIT											000-						
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OTHER S	OURCE	(S):			MAR	PAT	135:	3136		-0 2	.001-	0123	01			0010	

Disclosed are compds. represented by the following general formula I, salts thereof or prodrugs thereof, use of the same, and a process for producing the same wherein RI, R2 = H, lower alkyl, etc., the ring A represents an optionally substituted bensene ring; X = 0, etc., and Y represents Cf or N. Because of having a potent effect of promoting the secretion of soluble θ -amyloid precursor proteins (aAPP), these compds, and the like inhibit functional disorders and apoptosis of cells (in particular, nerve cells) mediated by the thus secreted soluble θ -amyloid precursor proteins having a neurotrophic factor-like effect. A compound

L4 ANSWER 10 OF 18 CA COPYRIGHT 2005 ACS on STN

ANSWER 11 OF 18 CA COPYRIGHT 2005 ACS on STN (Continued) cis-(4-anilino-2-methyl-3,4-dihydro-1(2H)-quinolinyl)(2-furyl)methane was prepd., and its promotion effect on sAFF secretion and inhibitory effect on apoptosis in FO(2h cells were examd.
 36750e-91-69
 RL BAC (Biological activity or effector, except adverse), BSU (Biological study, unclassified), RCT (Reactant), SFN (Synthetic preparation), THU (Therapeutic use), BIOL (Biological study), PREP (Preparation), RACT (Reactant or resgent), USES (Uses)
 (preparation of tetrahydro quinolinamine derivs. having soluble
 β-amyloid
 precursor protein secretion-promoting effects and apoptosis-inhibiting

yloid precursor protein secretion-promoting effects and apoptosis-inhibiting effects) 367508-91-6 CA 4-Quinolinamine, 1-{3,4-dimethoxybenzoyl}-1,2,3,4-tetrahydro-2-methyl-n-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

REFERENCE COUNT:

O

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 18 CA COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 72:31075 CA Configuration and conformation of so-called bis(alkylidenserlymaines)
AUTHOR(5): Fundabahi, Masuou Ivakawa, Masaharu, Yoshimura, Juji Tokyo Inst. Technol., Tokyo, Japan (1969), 42(10), 2885-94
CODEN: BCSJAR ISSN: 0009-2673
DOCUMENT TYPE: Journal LANGUAGE: 150x16 ACSTRACT 72:31075
GI For diagram(s), see printed CA Issue.
AB The proposed structures of the dimeric products obtained from aliphatic aldehydes and arylamines were reexand, by ir and NRR spectra. The 1,2,3,4-tetrahydroquinoline structure was ascertained in the case of a cor propionaldehyde, and aldolic structure was confirmed in the case of butyraldehyde. The latter readily isomerizes to the former type in the presence of HD Ac. Conformational anal. of a recamic pair of the former (Ia-c: 2,4-disub--stituted, Id: 2,3,4-trisubstituted) indicated that two isomers of Ia-c (one has 2-equatorial, 4-quasi-equatorial and the other 2-equatorial, and the other 2-equatori

Relative stereochemistry.

or the 1-acetyl derivs. Of 1 was deduced to have a twist half-boar conformation.
26343-39-5
RL: PRP (Properties)
(nuclear magnetic resonance of)
26343-39-5
CA
4-Quinolinamine, 1-benzoyl-1,2,3,4-tetrahydro-2-methyl-N-phenyl-,
(2R,4S)-rel- (SCI) (CA INDEX NAME)

ANSWER 13 OF 18 CA COPYRIGHT 2005 ACS on STN

L4 ANSWER 13 OF 18 CA COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:

TITLE:

AUTHOR(S):

CORPORATE SOURCE:

SOURCE:

CORPORATE SOURCE:

CORPORATE SOURCE:

CORPORATE SOURCE:

SOURCE:

Trudy Problement Laboratorii Khimi

Gosudarstvennyi Universitet (1966), No. 4, 5-16

CODEN: TPLKAR; ISSN: 0372-0764

DOUGHENT TYPE:

LANGUAGE:

AB The activity of the title compds. (1) in chemical reactions is due to the donor-acceptor relation between the aniline and the tetrahydroquinoline groups. The theory was justified by acylation, halogenation, and hydrolysis of several derivs. of I. Thus, 2 g. I (R1 = R2 = Ac, X1 = X2 = X4 = H, X3 = Br), m. 119*

(ECOB): I (6 g.) (R1 = Ac, R2 = X1 = X2 = H, X3 = Br), m. 119*

(ECOB): I (6 g.) (R1 = Ac, R2 = X1 = X2 = H, X3 = X4 = H) remained unchanged after refluxing in 200 alc. KOH for 50 hrs. CI was passed through a solution of 6 g. I (R1 = R2 = Ac, X1 = X2 = X4 = H, X3 = Br) remained unchanged after refluxing in 200 alc. KOH for 50 hrs. CI was passed through a solution of 6 g. I (R1 = R2 = Ac, X1 = X2 = X4 = H) in 100

ml.

CC14 for 1 hr. Next day the mixture was treated with NaHCO3 to give 40% I

CC14 for 1 hr. Next day the mixture was treated with NaHCO3 to give 40% I (R1 = R2 = Ac, X1 = X2 = X4 = H, X3 = C1), m. 171° (EtOH). This was boiled 14 hrs. in 22% alc. KOH to give 1 g. I (R1 = Ac, R2 = X1 = X2 = X4 = H, X3 = C1), R2 = Bz derivative m. 210°. To a mixture of 3 g. I (R1 = R2 = Ac, X1 = X2 = X3 = X4 = H), 10 ml. concentrated H2SO4, and 3 ml.

AcoN at ...

0-5' was added a mixture of 4 ml. concentrated HNO3 and 4 ml. 70% HNO3.

After 3 hrs. the solution was diluted with water and NaHCO3 to precipitate

1.3 g. I (R1 = R2 = Ac, X1 = X2 = X4 = H, X3 = NO2), m. 173* (EtOH). The previous experiment was repeated with the reaction mixture kept overnight

previous experiment was repeated with the reaction mixture kept overnight to give

I (R1 = R2 = Ac, X1 = X4 = H, X2 = X3 = NO2), m. 234-5°. A mixture of 4 g. I (X1 = X3 = X4 = R1 = H, X2 = Br, R2 = Br) in 100 ml. CHcl3 and 2 g. Br was allowed to stand 3 hrs. and treated with NaHCO3 and EtcH to give 2.64 g. I (R2 = Br, R1 = X3 = X4 = H, X1 = X2 = Br), m. 239°

(EtcM1. This (1.4 g.) was refluxed 10 hrs. in 154 alc. KOH to give 0.55 g. I (X1 = X2 = Br, R1 = R2 = X3 = X4 = H), m. 140°, and 0.45 g. of this was kept overnight with 10 ml. AcOH, then boiled 4 hrs. to give 0.42 g. I (X1 = X2 = Br, X3 = X4 = H), R1 = R2 = Ac), m. 163°. I (R2 = X1 = X3 = X4 = H), R2 = Br, R2 = Br) (4 g.) refluxed 15 hrs. in 250 ml. 254 H2504 and subsequently 5 hrs. in Ac20 gave a mixture of I (R1 = R2 = Ac, X1 = X2 = X3 = X4 = H) and I (R1 = R2 = Ac, X1 = X2 = X3 = X4 = H)

13125-49-0P

| SPIC (Synthetic preparation), PREP (Preparation) | (Preparation) | (Preparation of) | 1325-49-0 | CA | (Preparation of) | CA

L4 ANSWER 14 OF 18 CA COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:

171TLE:

67:53250 CA

Binolecular alkylidenearylamines. XI. New data on intermolecular donor-acceptor reactions in 4-anilho-2-methyl-1,2,3,4-tetrahydroquinolines

AUTHOR(S):

CORPORATE SOURCE:

SOURCE:

Voronearbak. Gos. Univ., Voronearb, USSR

Zhurnal Organicheskoi Khimii (1967), 3(4), 753-6

CODEN: ZORXAE; ISSN: 0514-7492

DOCUMENT TYPE:

Journal

Russian

G1 For diagram(s), see printed CA Issue.

AB cf. CA 65: 15179f. A series of the title compds. (I) was prepared Unusual chemical behavior of some I, as instability of strong alkali to remove Ac group from I (XI = XZ = X4 = H, X3 = Br, RI = Ac, RZ = H), was discussed in terms of electron internol. interactions, called p.p-electron interactions, which promoted homolytic, rather than heterolytic chemical attack. A solution of I (XI = XZ = X3 = X4 = H, RI = RZ = Ac) (III) m.

189 (1964) 2. 89 (1965) 3, 117 (1966) in 100 ml. CC14 was saturated with HCl gas to give 40% I (XI = XZ = X4 = H, X3 = CI, RI = R2 = Ac) (III), m.

171'. Boiling III 14 hrs. with 224 alc. NaOH solution gave 45% I (XI = X2 = X4 = H, X3 = CI, RI = R2 = Ac) (III), m.

171'. Boiling III 14 hrs. with 224 alc. NaOH solution gave 45% I (XI = X2 = X4 = H, X3 = CI, RI = Ac, RZ = H) (IV), m. 175'. Action of Ac20 on IV gave III and BcI gave I (XI = X2 = X4 = H, X3 = CI, RI = Ac, RZ = Bz) (VI), m. 210'. Similerly, chlorination of I (XI = X2 = X3 = X4 = H, RI = Ac, RZ = Bz) with HCl gas gave V proving attechment of Ac group to anilino N in IV. Nitration of 3 g. II in 10 ml. H2504 3 ml. AcoH solution at 4-5' by a slow addition of 4 ml. H2504 and 4 ml. 70% HBO3, followed by keeping 4 hrs. at room temperature gave 38% I (XI = X2 = X4 = H, X3 = Ac) (VI), m. 210''. at room temperature gave 38% I (XI = X2 = X4 = M, X3 = Ac) (VI), m. 210''. at room temperature gave 38% I (XI = X2 = X4 = M, X3 = Ac) (VI), m. 210''. at room temperature gave 38% I (XI = X2 = X4 = M, X3 = Ac) (VI), m. 210''. at room temperature gave 38% I (XI = X2 = X4 = X4 = M, X

Introved by Keeping 4 hrs. at room temperature gave 388 I (X1 = X2 = X4 = 33 = NO2, R1 = R2 = Ac) (VI), m. 173° (alc.). Hydrolysis of VI according to Zalukaev (CA 59; 9973b) gave 6-nitroquinaldine, m. 172°, and PhNH2. Longer nitration time of II (evernight standing) gave I (X1 = X4, X2 = X3 = NO2, R1 = R2 = Ac), m. 234-5° (alc.), which on acid hydrolysis gave 2-methyl-6-nitroquinoline, m. 172°, and p-O2NGCHNH2, m. 147°. Attempted deacylation of known I (X1 = X2 = H, X3 = X4 = Br, R1 = Ac, R2 = H) (VII), m. 186°, by boiling 50 hrs. in 208 alc. NaOH gave only VII.

17117-38-3 PK
RL: SPN (Synthetic preparation), PREP (Preparation) (preparation of)
17117-38-3 CA Acctamide, N-{1-benzoyl-6-chloro-1,2,3,4-tetrahydro-2-methyl-4-quinolinyl)-N-phenyl- (SCI) (CA INDEX NAME)

L4 ANSWER 15 OF 18 CA COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:
ORIGINAL REFERENCE NO.:

TITLE:
Bimolecular alkylidene aryl amines. X. Intramolecular donor-acceptor interaction in 2-methyl-4-anilino1,2,3,4-tetra-hydroquinoline
AUTHOR(S):
CORPORATE SOURCE:
SOURCE:
SOURCE:
SOURCE:
DOCUMENT TYPE:

COPYRIGHT 2005 ACS on STN
65:15179a-g
Bimolecular alkylidene aryl amines. X. Intramolecular donor-acceptor interaction in 2-methyl-4-anilino1,2,3,4-tetra-hydroquinoline
2alukaev, L. P., Spitsyna, L. Ya.
SOURCE:
CORPORATE SOURCE:
STATE UNIV., Voronezh
COURN: ZOKHA4; ISSN: 0044-460X

DOCUMENT TYPE:

CODEN: ZONHAN ISSN: 0044-460X

DOCUMENT TYPE:

Journal

AB cf. CA 62, 3908c. 1-Benzoyl-2-methyl-4-(4-bromoanilino)-1,2,3,4tetrahydroquinoline (I), m. 220°, and Br in CHCl3 gave in 3 hrs.
564 2,4-dibromoanilino analog, m. 239°, which heated 10 hrs. with
alc. KOH gave 63.54 product, m. 140°, which with Ac20 overnight
gave 754 N-acetyl-2-methyl-4-(2,4-dibromoacetylanilino)-1,2,3,4tetrahydroquinoline (II), m. 163°. I heated on a steam bath with
254 alc. KOH 15 hrs. and the product treated 5 hrs. with Ac20 gave II and
the analogous c-isomer, m. 186-7°, of the diacetyl derivative
Alc. KOH and N-acetyl-2-methyl-4- (acetylanilino)-6-bromo-1,2,3,4tetrahydroquinoline in 10 hrs. heating gave 564 2-methyl-4-(acetylanilino)6-bromo-1,2,3,4-tetrahydroquinoline, m. 195°, which was unchanged
in 60 hrs. heating with EtONa-EtOH and gave a monobenzoyl derivative, m.
219°. The results confirm the existence of intramol. complexes
with charge transfer among tetrahydroquinoline derive. involving one
electron. Since bromination gave only the 6-bromo derivative, without any

or 4,6-dibromo derivs., the strong mutual interaction of the aromatic

rings is confirmed.

13123-49-0, Quinaldine, 1-benzoyl-6-bromo-1,2,3,4-tetrahydro-4-(N-phenylacetamido)-ΙT

puenny sacucamico) -(preparation of) 13125-49-0 CA Acetamide, N-(1-benzoyl-6-bromo-1,2,3,4-tetrahydro-2-methyl-4-quinolinyl)-N-phenyl- (9C1) (CA INDEX NAME)

L4 ANSWER 17 OF 18 CA COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 59:54789 CA
ORIGINAL REFERENCE NO.: 59:9973b-d
Bimolecular alkylidenearylamines. VIII. Synthesis and bromination of 2-methyl-4-N-acetylanilino-1,2,3,4-tetrahydroquinoline
AUTHOR(S): 2alukajevs, L., Spitsina, L. Ys.
SOURCE: 2burnal Obshchek Khimi (1963), 33(6), 1956-8
CODEN: 2OKHA4; ISSN: 0044-460X

DOCUMENT TYPE: JOURNAL JOHN JOURNAL JULIANA JOURNAL JOURNAL JOURNAL JOURNAL JOURNAL JOURNAL JOURNAL JULIANA JU

with steam, the obtained solution extracted with ether, the ethereal

solution dried tion oried with KOH, ether distilled, and the residue dissolved in MeOH gave 2-methyl-6,8-dibromoquinoline, m. 100°, picrate m. 155°

95568-01-2, Quinaldine, 1-benzoyl-1,2,3,4-tetrahydro-4-(N-phenylacetamido)-ΙT

(preparation of) 95868-01-2 CA

de, N-(1-benzoyl-1,2,3,4-tetrahydro-2-methyl-4-quinolinyl)-N-phenyl-(CA INDEX NAME) Acetamide

(9CI)

L4 ANSWER 16 OF 18 CA COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:
62:22149 CA

ORIGINAL REFERENCE NO.:
62:2308C-e

FITLE:
Binolecular alkylidenearylamines. IX. Steric structure
of 2-methyl-4-anilino-1,2,3,4-tetrahydroquinolines

AUTHOR(S):
CORPORATE SOURCE:
SUNCE:
SU

IT

into i occurs through VI is not established. I is more stable than IV, however.
837-85-4, Quinaldine, 4-anilino-1-benzoyl-1,2,3,4-tetrahydro[conformation of]
857-45-4 Garantino-1-benzoyl-1,2,3,4-tetrahydro[CA INDEX NAME]

L4 ANSWER 18 OF 18 CA COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:

ACRIGINAL REFERENCE NO.:

48:156687 CA

81:10024d-e

Bimolecular alkylidenearylamines. II. Structure of the
products of bromination of 1-benzoyl-2-methyl-4anilino-1,2,3,4-tetrahydroquinoline

AUTHOR(S):

2alukajevs, L.

Latvijas PSR Zinatnu Akademijas Vestis (1951) 469-72

COEN: LZAVAL, ISSN: 0132-6422

JOURNELLANGUAGE:

AB In previous work it was shown that bimol. ethylideneaniline, m.
126°, Is trans-2-methyl-4-anilino-1,2,3,4-tetrahydroquinoline and
not trans-1,3-dianilino-1-butene. Its Mono-Bz derivative (I) (3 g.) in

CHC13

with 1 g. Br gave 3 g. colorless solid, m. 160-2* (after exposure to air), which is a HBr salt, since with NaHCO3 it liberates CO2 from the latter, yielding a base C23H210N2Br, m. 211-12*. This refluxed 5 h. with 1:1 H2SO4 gave quinaldine and p-BrC6H4NH2 (isolated as the Ac derivative). I (6.5 g.) with 3.05 g. Br gave C23H200N2Br2, m. 239*, forming a HBr salt, m. 180-6*, hydrolysis of this with H2SO4 and treatment with B2Cl gave quinaldine and 2,4-Br2CGH3NH2 (Bz derivative, m. 133-4*).

857-45-4, Quinaldine, 4-anilino-1-benzoyl-1,2,3,4-tetrahydro-(and derivs.) and pacing que quinaidine and 2,4-Br2CGH3NH2 (Bz derivative, m. 183-4*).

857-45-4, Quinaldine, 4-anilino-1-benzoyl-1,2,3,4-tetrahydro(and derivs.)

857-45-4 Quinaldine, 4-anilino-1-benzoyl-1,2,3,4-tetrahydro- (7CI, 8CI) (CA INDEX NAME)

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10/678,872
=> d his
     (FILE 'HOME' ENTERED AT 15:09:10 ON 26 APR 2005)
     FILE 'REGISTRY' ENTERED AT 15:10:01 ON 26 APR 2005
L1
                STRUCTURE UPLOADED
             37 S L1 SAM
L2
L3
            822 S L1 FULL
     FILE 'CA' ENTERED AT 15:10:39 ON 26 APR 2005
             18 S L3
L4
=>
---Logging off of STN---
=>
Executing the logoff script...
=> LOG Y
STN INTERNATIONAL LOGOFF AT 15:11:06 ON 26 APR 2005
```